

SONY®

OWNER'S INSTRUCTION MANUAL

micro TV

MODEL 5-303W

CAUTION

- ① SONY Micro TV Model 5-303W is operative only with American TV standards and with power supply of AC 117 volts or DC-12 volt battery.
- ② When the set is operated with the 12-volt car or boat battery, please use SONY Car Accessories (optional, see Page 20). Wrong connection of Battery Cord will damage the set and thereby void the warranty.
- ③ The extension cord is designed to operate SONY Transistor TV only, and should not be used for other purposes.

* Please observe your local traffic laws concerning operation of TV sets in a car.

Consult your nearest SONY dealer if you have questions, problems or troubles concerning any **SONY** product.

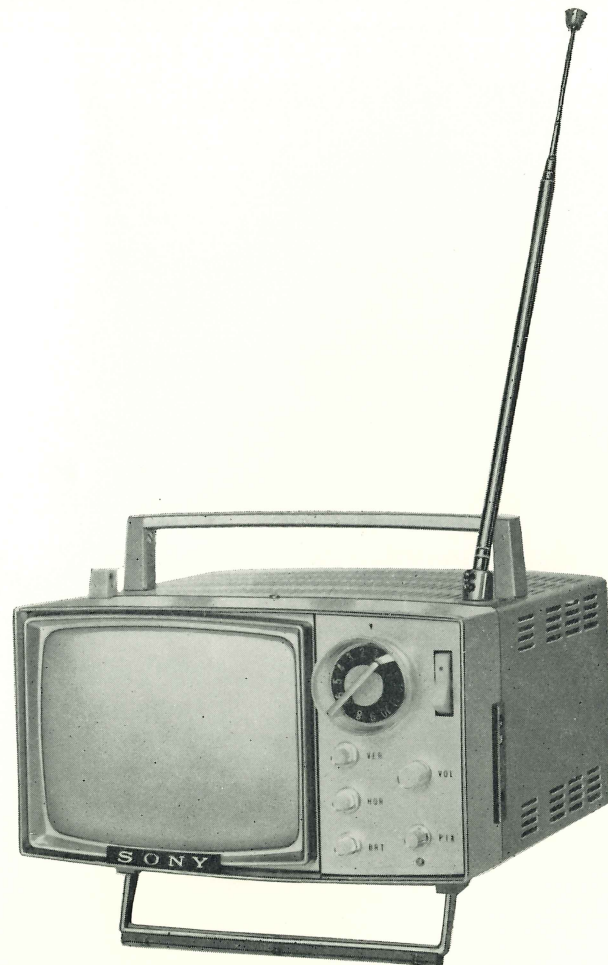
SPECIFICATIONS

System :	American Standards
Channel Coverage :	All American VHF channels 2-13
Dimensions :	7 ⁵ / ₈ " (W) × 4 ¹ / ₄ " (H) × 7 ¹ / ₄ " (D)
Weight :	8 lbs.
Power Requirements :	AC 117V, 13W DC 12V, 9.6W
Antenna System :	Built-in Telescopic Antenna Jacks for External Antenna
Speaker :	3" Diameter
Circuit :	AGC: Pulse-operated Automatic Gain Control System AFC: Balanced Type Automatic Horizontal Frequency Control System ANS: Automatic Synchro-noise Suppressor
Transistors :	25 (5 Silicon—including 3 Epitaxial) (20 Germanium)
Diodes :	20
Picture Tube :	5", 70° Deflection, Aluminized Screen
Earphone Jacks :	2
Maximum Sensitivity :	10 μ V/10Vpp (in/out)

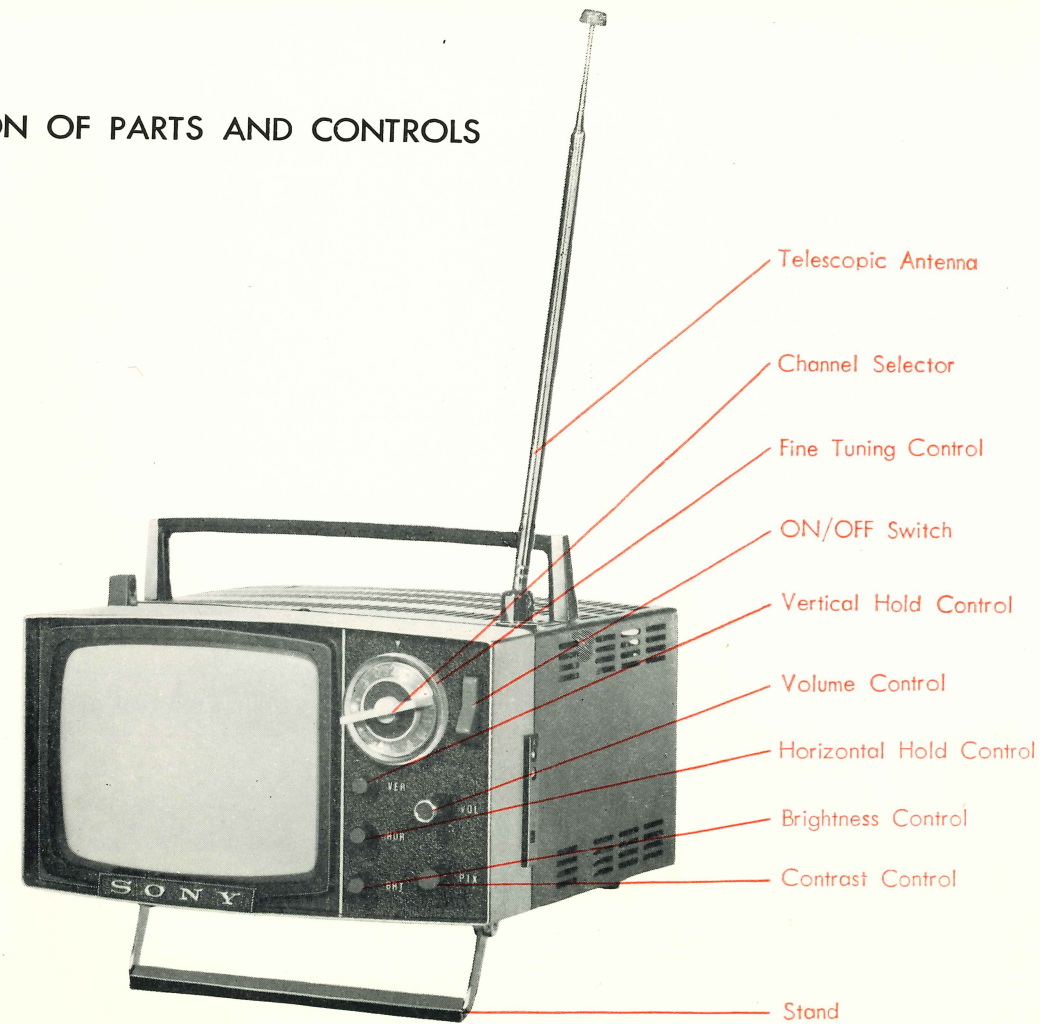
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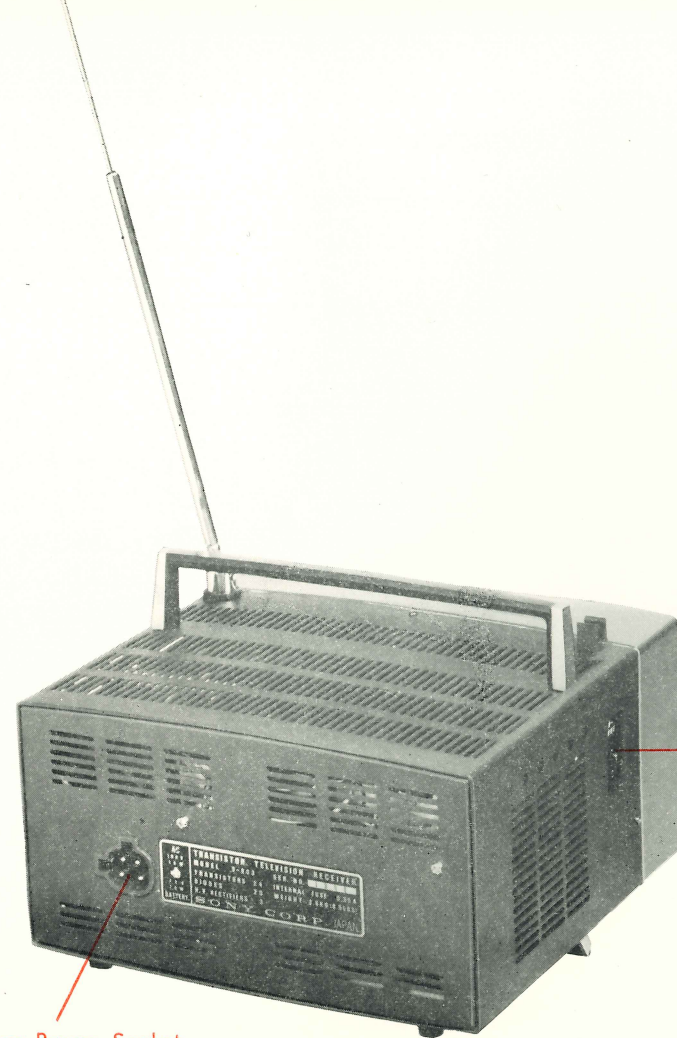
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The SONY Micro TV 5-303W comes in two types: one is light gray and the other is dark gray. The operation and the performance of those two types are exactly the same.



LOCATION OF PARTS AND CONTROLS





4-prong Power Socket

Earphone Jack

FIRST INSTRUCTIONS

1) POWER

The SONY MICRO TV 5-303W will operate from either a 12-volt battery or from a standard AC power line.

A. AC POWER

To operate the 5-303W from a standard AC power line of either 50 cps or 60 cps, insert the plug with four holes on the end of the AC cord into the 4-prong socket located on the back of the 5-303W and plug the other end of the cord into a standard AC outlet.

In inserting the plug with four holes into the 4-prong socket, the small rectangular shaped mark on the plug of the cord should be UP.

Note: Use the Extension Cord included with the 5-303W when the AC outlet is distant from the set.

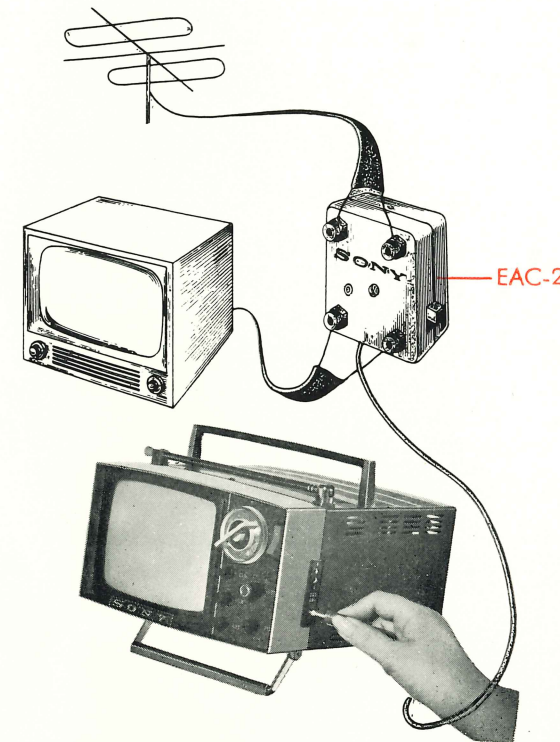
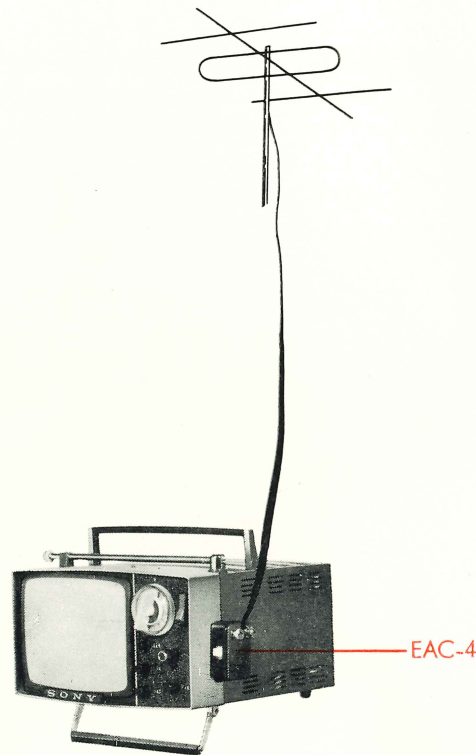


B. EXTERNAL ANTENNA

In a concrete building or in a fringe area the use of an external antenna may give better reception. For this purpose an External Antenna Connector, EAC-4, is supplied as an accessory. Connect the wires from the external antenna to the External Antenna Connector terminals marked "CONNECT ANTENNA".

Then insert the plug of the External Antenna Connector to the external antenna jack, marked "EXT. ANT. 75 ohms", located on the right side of the 5-303W.

- Note:**
1. Connect the wires from the external antenna to the terminals marked "A-E", located on the right side of the 5-303W, when the External Antenna Connector is not available. In this case the sensitivity will be slightly decreased. Swivel the Telescopic Antenna to find the direction for the best reception.
 2. A switch is located on the left side of the External Antenna Connector EAC-4. Set the switch to the LOCAL position when you are located very near the TV station.



When the same external antenna is to be used simultaneously for another TV set, utilize an External Antenna Connector, EAC-2, available at any SONY dealer. Connect the wires from the external antenna to the External Antenna Connector terminals marked "CONNECT ANTENNA". Connect the antenna terminals of the TV set to the binding posts marked "TO OTHER TV SET" (see illustration) by feeder wires. Then insert the plug of the External Antenna Connector cord to the external antenna jack, marked "EXT. ANT. 75 ohms", located on the right side of the 5-303W.

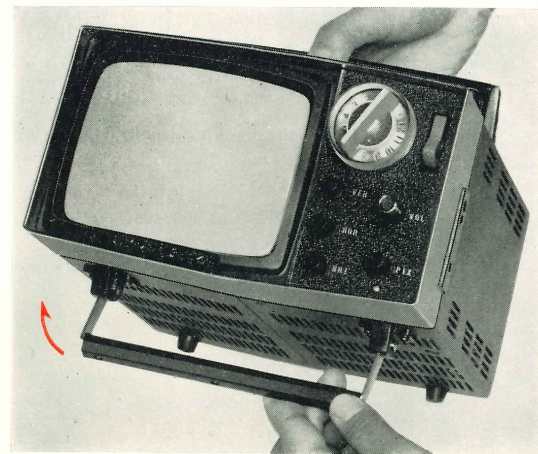
- Note:** A switch is located on the right side of the External Antenna Connector, EAC-2. Set the switch to the LOCAL position when you are located very near the TV station.

C. CAR ANTENNA

Use the Car Antenna, VCA-1, VCA-1H or VCA-2, for the operation of the 5-303W in a car (see "Car Antenna").

3) STAND

Use the Stand to get the best viewing angle. When the set is used outdoors it is recommended that it be placed as far above the ground as possible.



4) HOOD

For viewing outdoors the Hood, VF-1 or VF-2, is available for the 5-303W as an optional accessory. This Hood, available at any SONY dealer, eliminates glare and allows the picture to be seen even in bright sunlight. Unfold the Hood and fit it around the set. The side of the Hood with the cut-out goes on the bottom of the set.

HOW TO OPERATE

1) ON/OFF SWITCH

Located immediately to the right of the Channel Selector.

Press the red dot to turn ON.

Press the other way to turn OFF.

When the switch is ON, the pilot lamp under the Channel Selector will light up.

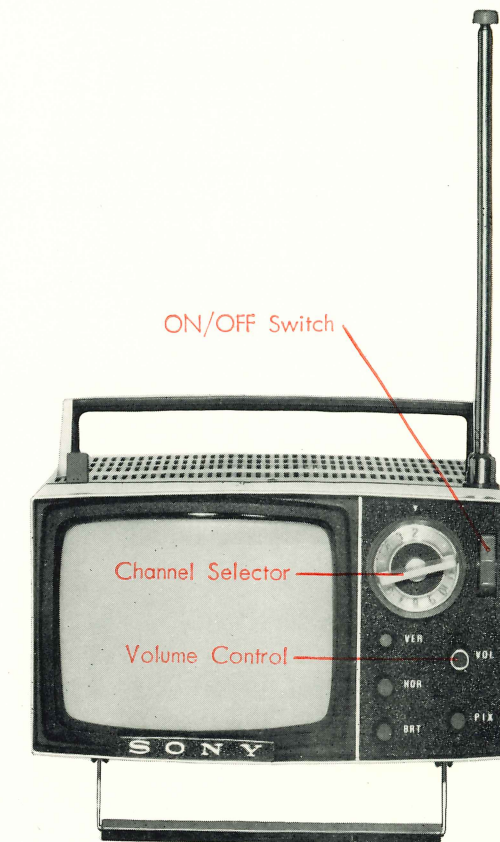
The sound will come out immediately and the picture will appear a few seconds later.

2) VOLUME CONTROL

The Volume Control has a gold ring and is located below the Channel Selector. It is marked "VOL".

3) CHANNEL SELECTOR

With the Channel Selector you can select any one of the channels 2-13.



4) FINE TUNING CONTROL

Use the Fine Tuning Control collar knob to adjust the picture precisely, after the channel has been selected. The Fine Tuning Control is located outside the Channel Selector.



5) BRIGHTNESS CONTROL

The Brightness Control is located on the lower left of the control panel. It is marked "BRT". Turning clockwise will increase the brightness of the picture.



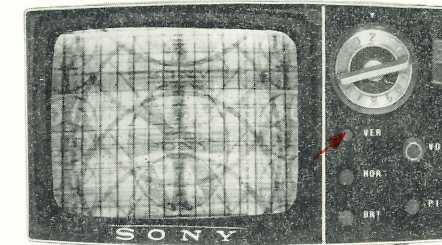
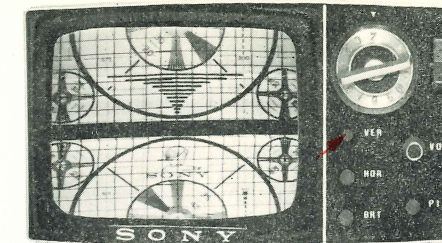
6) CONTRAST CONTROL

The Contrast Control is marked "PIX". Use this control to get the desired contrast in the picture. Use it together with the Brightness Control for the best result.



7) VERTICAL HOLD CONTROL

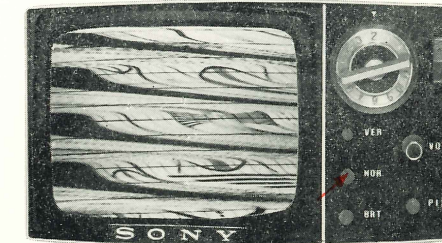
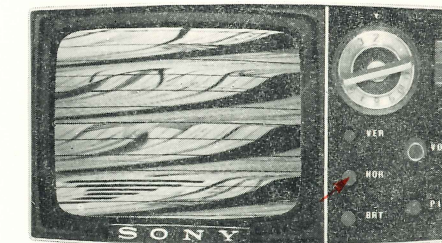
This control is located directly under the Channel Selector and is marked "VER". Turn clockwise or counter-clockwise if the picture is going up or down.



8) HORIZONTAL HOLD CONTROL

The Horizontal Hold Control is the middle one of three controls located on the left side and is marked "HOR". When stripes or bars appear on the picture turn this control clockwise or counter-clockwise until they disappear.

Note: The picture can also be positioned by this control.



9) EARPHONE JACK

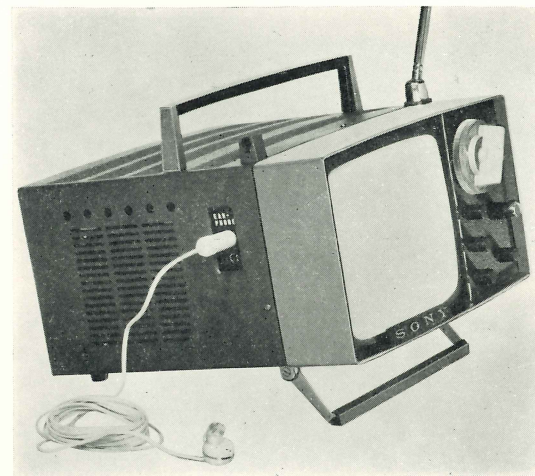
Two earphone jacks are located on the left side of the 5-303W.

They are marked in white letters "EARPHONE". When an earphone is plugged into the earphone jack having one white dot, the speaker will be disconnected.

To use the speaker and an earphone simultaneously, plug the earphone into the jack having two dots.

When two earphones are plugged in, the speaker will be disconnected.

The volume may be adjusted by the Volume Control in either condition.



OPERATION IN A CAR

It is possible to get a clear, stable picture on the 5-303W even in a moving car because of the new circuits used in its construction.

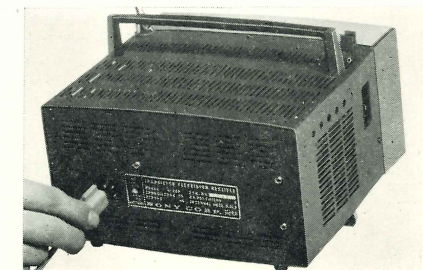
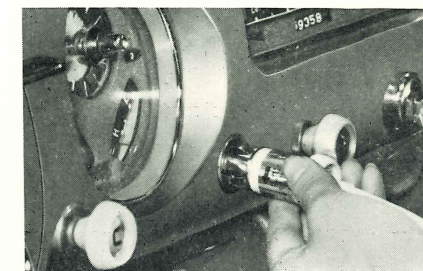
**PLEASE USE THIS SET IN THE REAR SEAT ONLY
PLAY SAFE!**

1) CAR BATTERY

To operate the 5-303W from a car battery, use a Car Battery Cord, DCC 2A, available as an optional accessory.

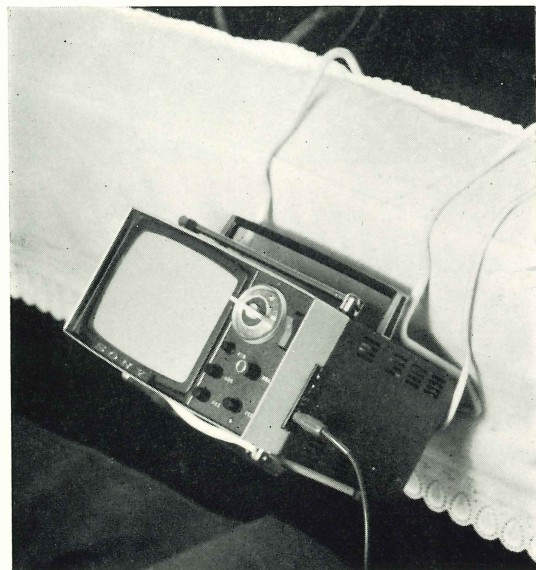
Detailed instruction is included with a Car Battery Cord, DCC 2A. If you have any question, consult your SONY dealer.

**PLEASE OBSERVE YOUR LOCAL TRAFFIC LAWS
CONCERNING OPERATION OF TV SET IN A CAR.**



2) TV SET HOLDER

Use the TV Set Holder, VS-1, as shown in the illustration to use the set in a car.

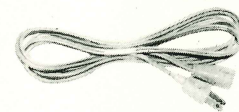


3) CAR ANTENNA

Mount the Car Antenna, VCA-1, VCA-1H or VCA-2, as shown in the illustration. Detailed instruction is included with SONY Car Antenna, VCA-1, VCA-1H or VCA-2.



ACCESSORIES



AC Cord



Extension Cord



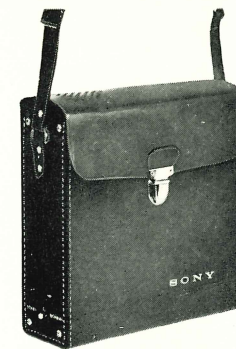
External Antenna Connector
EAC-4



Earphone



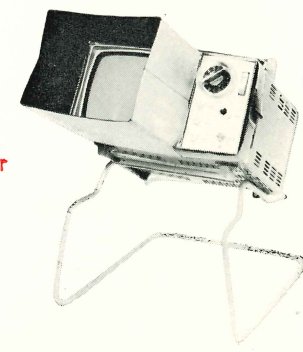
External Antenna Connector
EAC-2 (optional)



Battery Pack BCP-2 (optional)



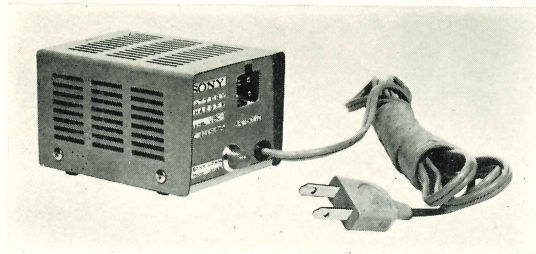
Carrying Case (optional)



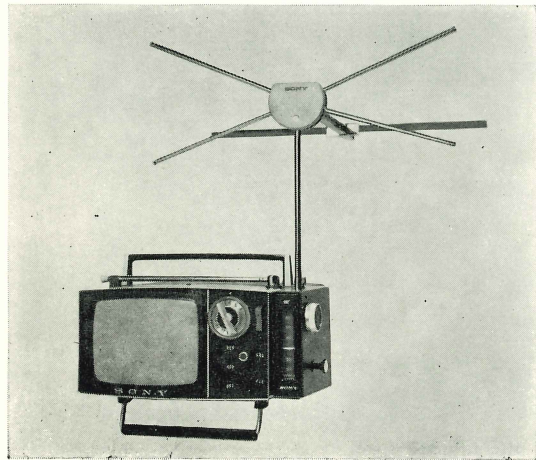
Hood VF-1 or VF-2 (optional)

ACCESSORIES (Optional)

Battery Charger VBC-1

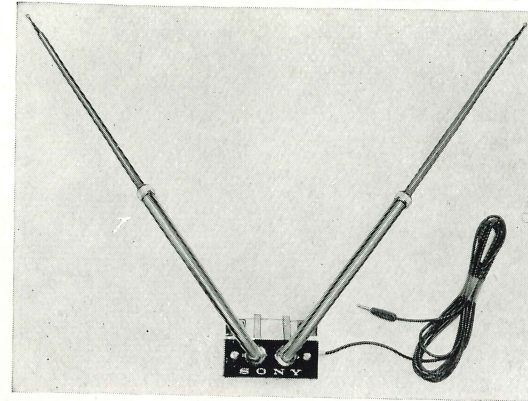


UHF Converter VUC-4W

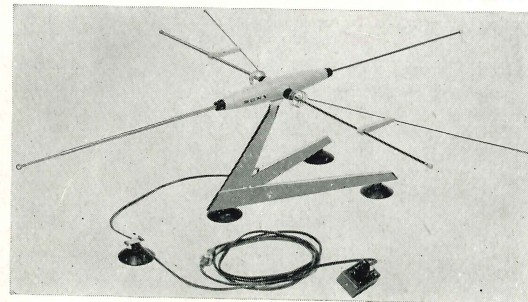


CAR ACCESSORIES (Optional)

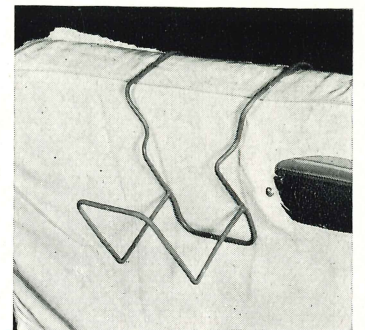
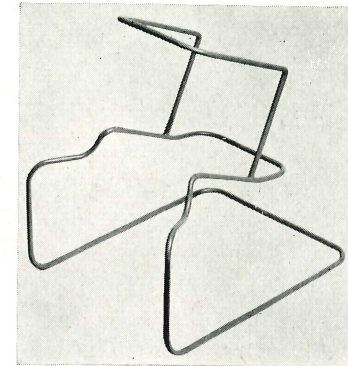
Car Antenna VCA-1



Car Antenna VCA-2

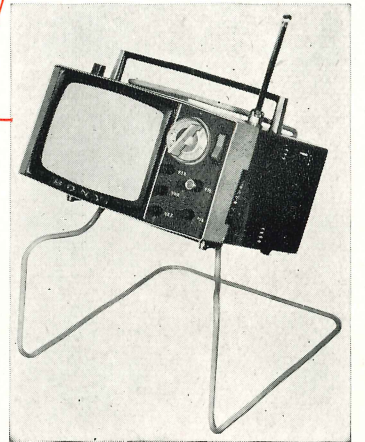
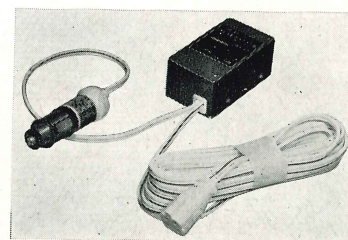


When the set is operated with the 12-volt car or boat battery, Please use SONY Car Accessories.



TV Set Holder VS-1

Car Battery Cord DCC-2A



SONY®

Research Makes the Difference

TOKYO SONY CORPORATION JAPAN